

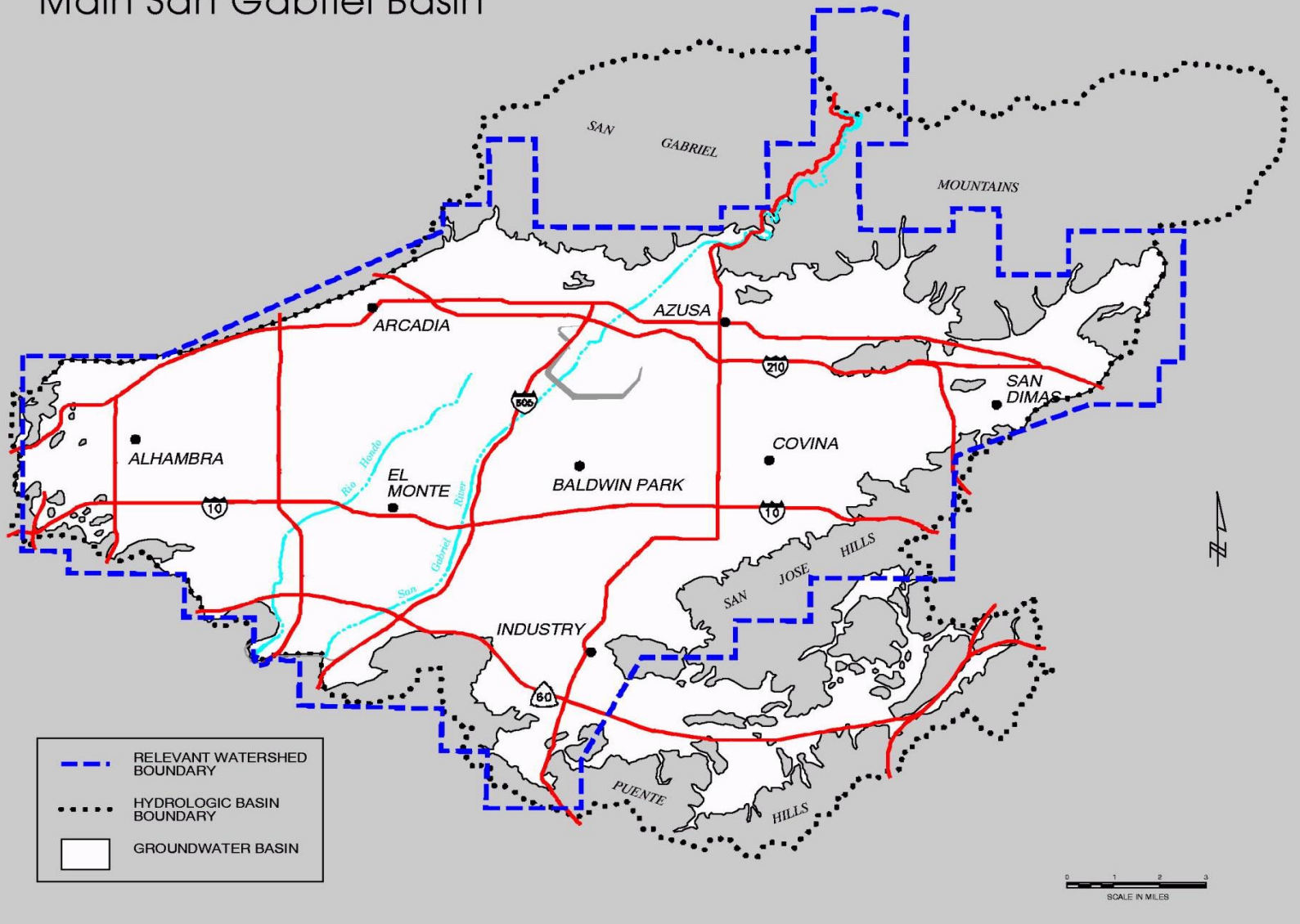
Groundwater Basin Management in the San Gabriel Valley

Presented by
Anthony Zampello,
Executive Officer
August 31, 2017

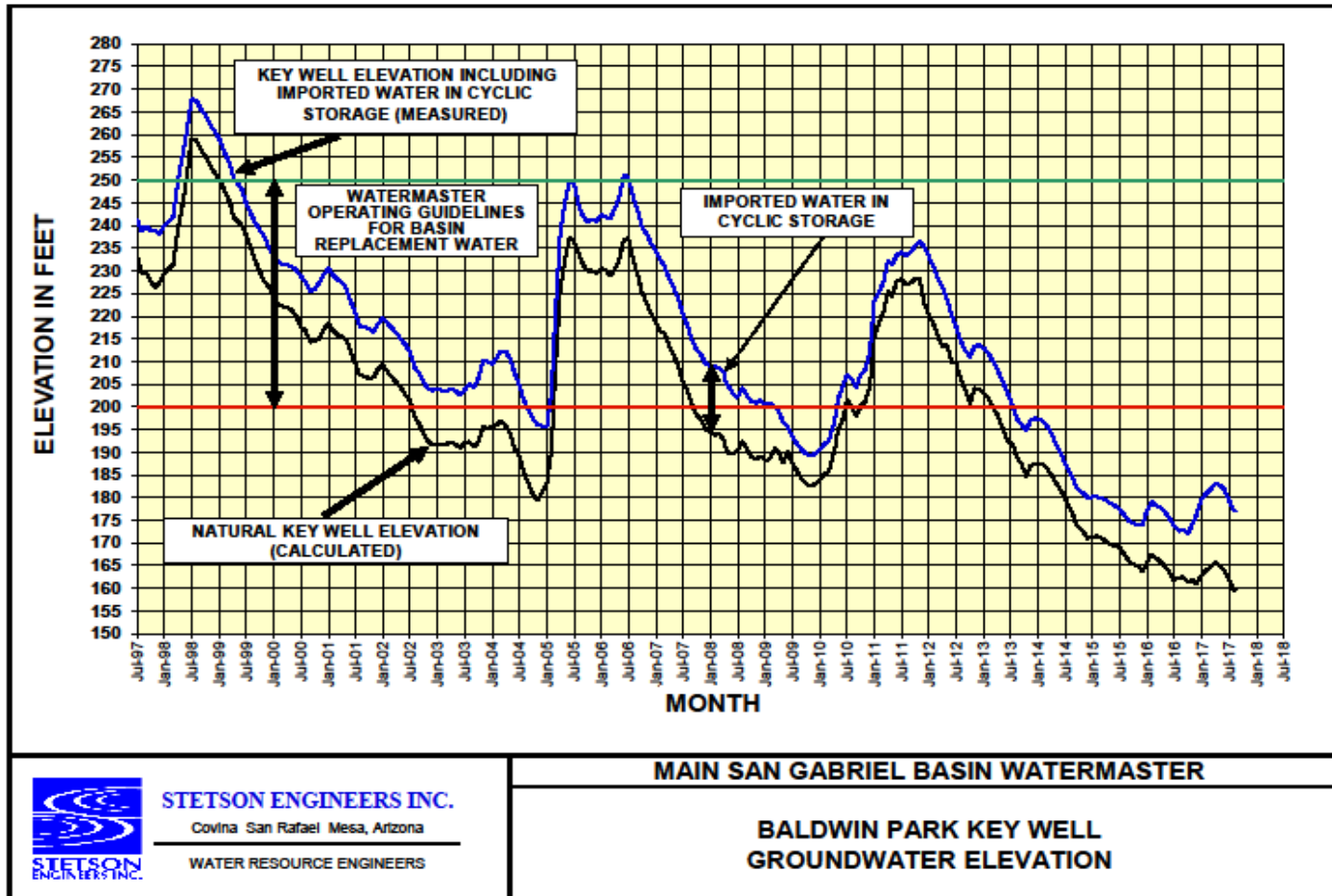
Watermaster's Responsibilities

- Measure water flows
- Meter water production
- Determine safe yield of basin
- Replenish overdraft
- Levy pumping assessments
- Manage water storage activities
- Enhance basin reliability
- Assure compliance with judgment

Main San Gabriel Basin



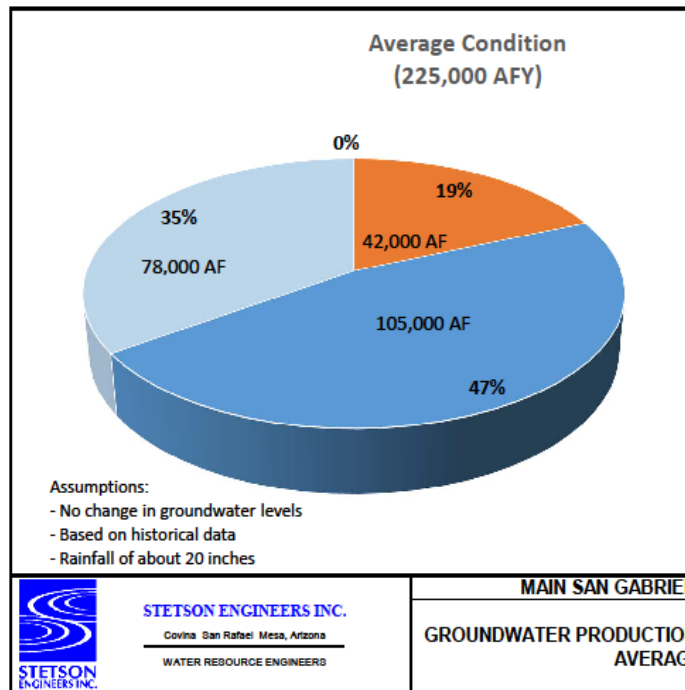
Main San Gabriel Basin Key Well



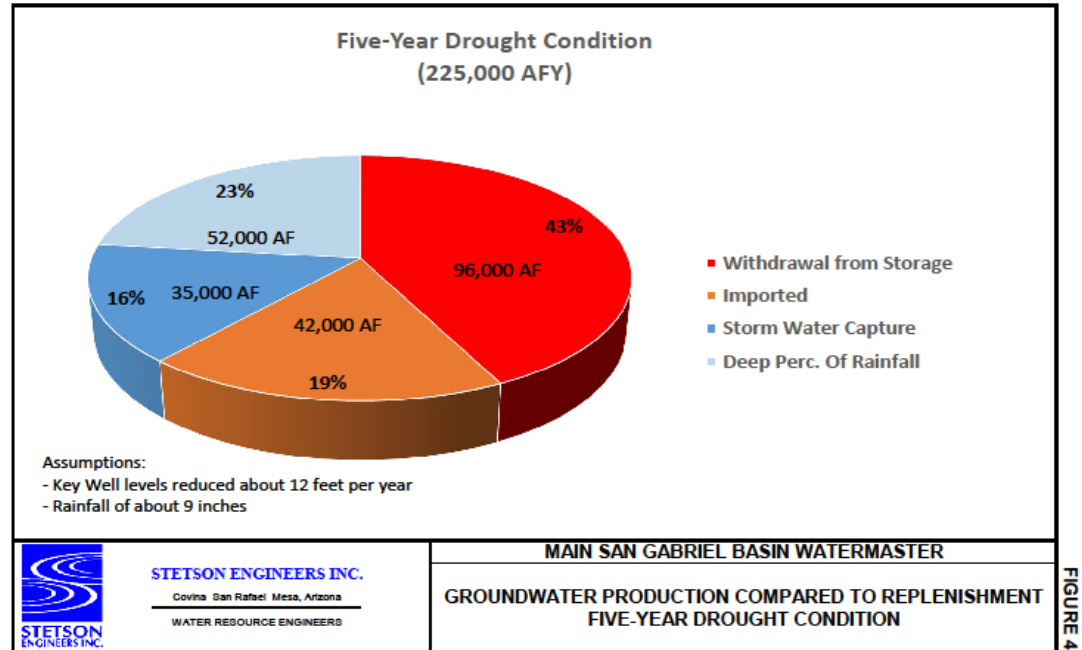
Water Resource Development Assessment (RDA)

- Maintain Main San Gabriel Basin water levels
- Stormwater Augmentation
- Manage Operating Safe Yield
- Sustainable Groundwater Management Act (SGMA)
to sustainably manage groundwater basin long-term
- Maintain current untreated imported water allocations

Impacts of 5-year Drought



Z:\Jobs\1205\1205-99 - RDA Assessment\RDA white paper\Pie Chart over 5 years of drought



Water Resource Development Assessment

ESTIMATED RDA SUPPLEMENTAL WATER ASSESSMENTS		
Fiscal	RDA	RDA Supplemental
Year ^{1/}	Assessment ^{2/}	Water Deliveries (AF) ^{3/}
	(\$/AF)	Total
2016-17	\$40.00	10,408
2017-18	\$70.00	17,490
2018-19	\$105.00	25,392
2019-20	\$140.00	32,318
2020-21	\$175.00	38,563
Total	-	124,171

Note:

1/ Assumes production is 190,000 AFY; assessment levied on current year's production

2/ Excludes \$25/AF for other Watermaster administration actions

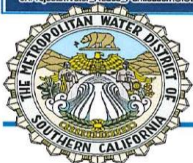
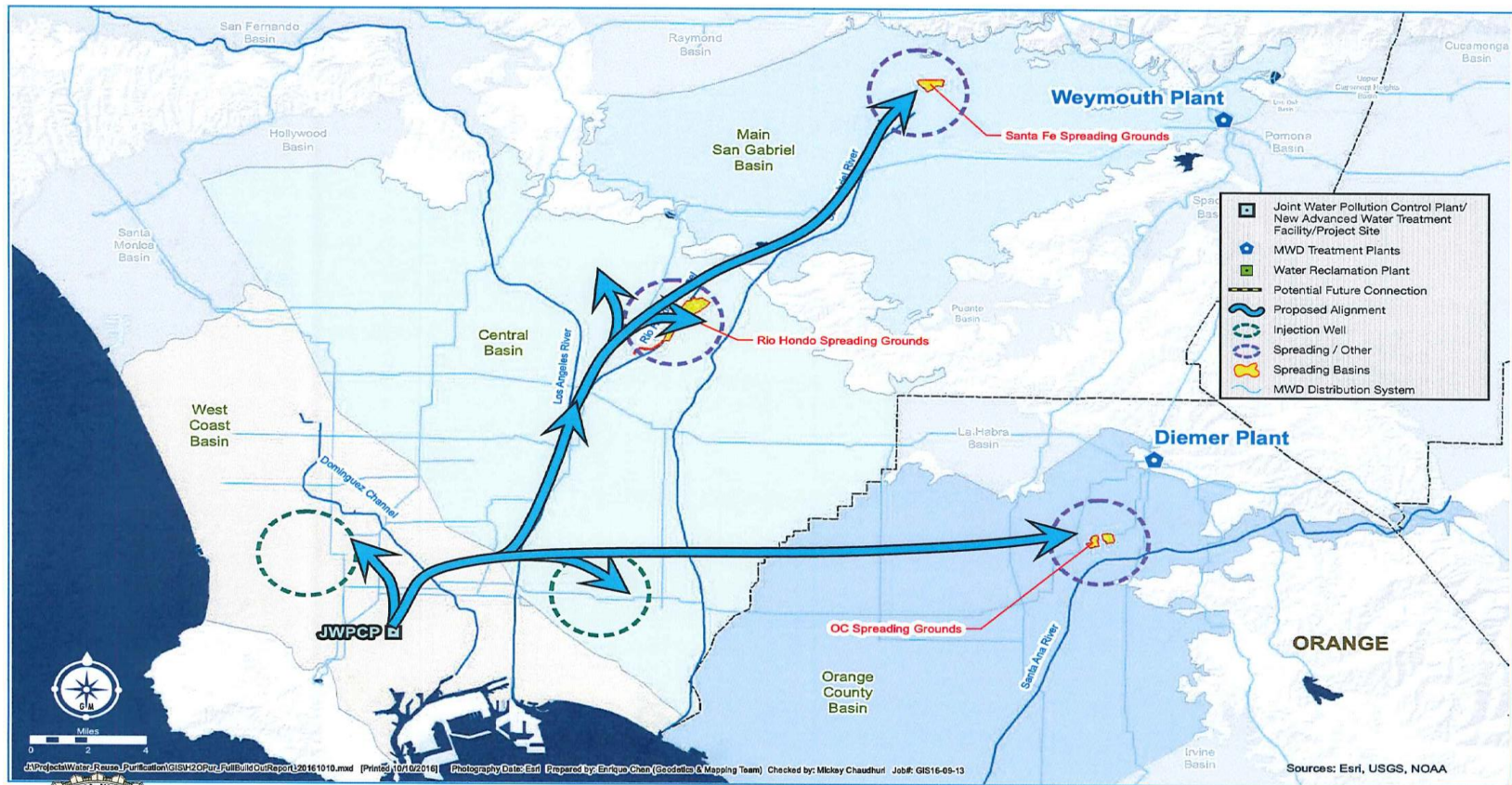
3/ Assumes all Supplemental Water Purchased at Upper District Rate to conservatively estimate the least amount of water purchased; water delivered for general benefit to the Main Basin **in the following year**

Collaborative Partnerships: Key to Long-Term Reliability

- Watermaster working with MWD to model viability of Regional Recycled Water Program (Carson Project)
- MWD to purify water at the Sanitation District's existing Joint Water Pollution Control Plant
- Will provide consistent source of high quality (full advanced treated) water for groundwater basin replenishment
- Reduces ocean discharges and need for additional or improved outfalls

Metropolitan Water District's

Regional Recycled Water Program



The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

The Metropolitan Water District of Southern California: 700 N. Alameda St., Los Angeles, CA 90012 P.O. Box 54153, Los Angeles, CA 90054-0153 (213) 217-6000/(800) call-mwd (255-5693)

Continuing Efforts in Basin Management:

- Support a Reasonable Delta fix
- Enhance Stormwater Capture
- Outreach and Education
- Pre-deliver/Modernize Current Agreements (MWD)
- Match Cash flow to Availability Whenever Possible
- Maximize RDA and other Funding Sources

Thank You.

Presented by
Anthony Zampielo,
Executive Officer